Amendments to the Specification:

Please replace the current title with the following title:

METHOD AND APPARATUS TO PERFORM RECONFIGURABLE
PARALLEL PROCESSING

Please replace the abstract with the following amended paragraph:

Method and apparatus to perform reconfigurable parallel processing are described

wherein a switch, connected to the control units and data paths, may be configured to

establish a first set of connections between a plurality of control units and a plurality of

data paths to execute a first process using single instruction multiple data processing, and

a second set of connections between the control units and the data paths to execute a

second process using multiple instruction multiple data processing.